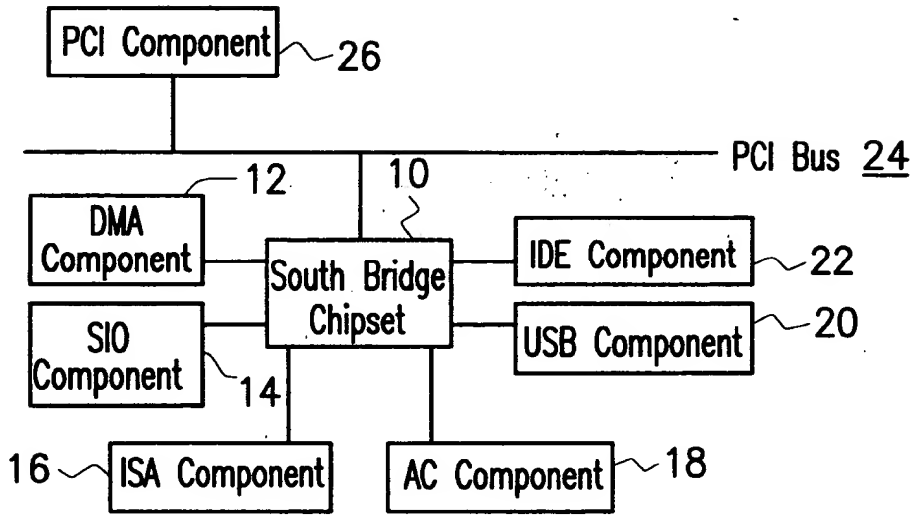

FIG. 1

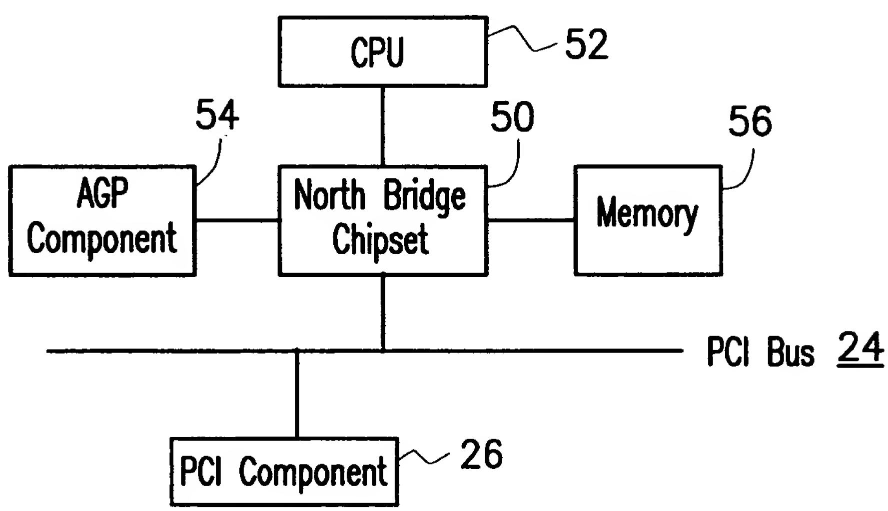

FIG. 2

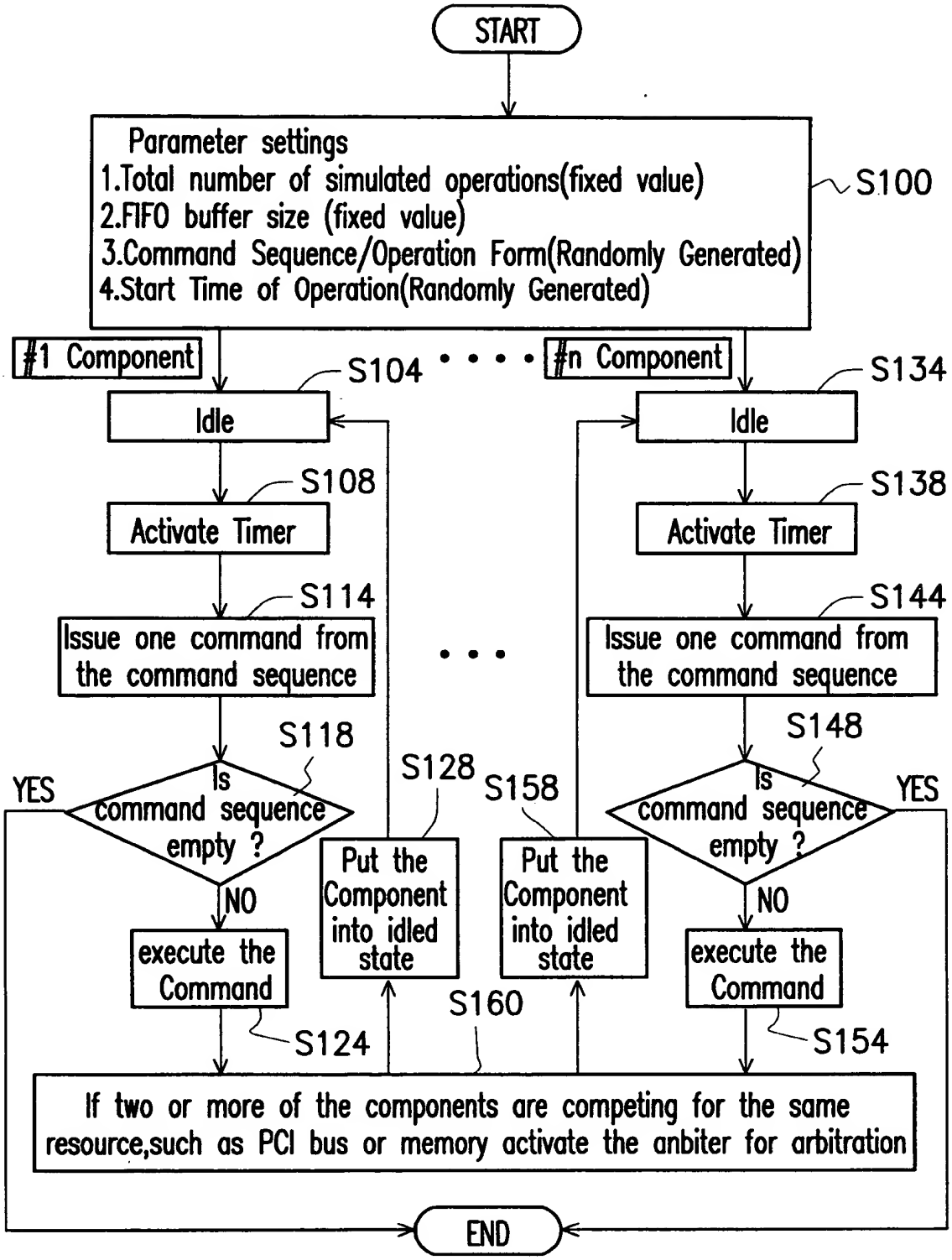
START
Parameter settings
1.Total number of simulated operations(fixed value)
2.FIFO buffer size (fixed value)
3.Command Sequence/Operation Form(Randomly Generated)
4.Start Time of Operation(Randomly Generated)
S100
#1 Component
#n Component
S104
S134
Idle
Idle
S108
S138
Activate Timer
Activate Timer
S114
S144
Issue one command from the command sequence
Issue one command from the command sequence
S118
S148
Is command sequence empty ?
Is command sequence empty ?
YES
YES
NO
NO
S128
S158
Put the Component into idled state
Put the Component into idled state
execute the Command
execute the Command
S160
S124
S154
If two or more of the components are competing for the same resource,such as PCI bus or memory activate the anbiter for arbitration
END

FIG. 3